

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 09-080037

(43)Date of publication of application : 28.03.1997

(51)Int.Cl.

G01N 30/02

G01N 30/48

G01N 30/60

G01N 30/84

G01N 30/88

G01N 33/68

(21)Application number : 07-236697

(71)Applicant : HITACHI LTD

(22)Date of filing : 14.09.1995

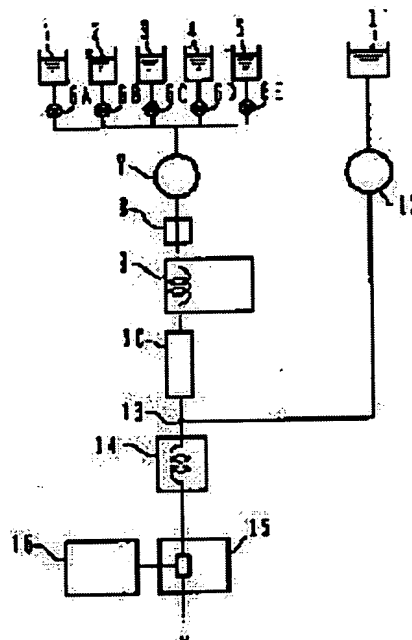
(72)Inventor : FUJII YOSHIO  
ITO MASATO  
SATAKE HIROSHI

## (54) AMINO ACID ANALYZER

## (57)Abstract:

PROBLEM TO BE SOLVED: To provide a higher speed and high —separation amino acid analyzer.

SOLUTION: An amino acid analyzer comprises a separation column 10, a buffer —solution pump 7 which feeds a plurality of buffer solutions 1, 2, 3, 4 to the separation column 10, a sampler 9 which is installed in a flow passage between the buffer —solution pump 7 and the separation column 10, and a reaction coil 14 by which an amino acid separated by the separation column 10 is mixed with a ninhydrin reagent so as to be reacted. In this case, the separation column 10 is formed in such a way that the ratio ( $L1/R$ ) of its length  $L1$  to its inside diameter  $R$  is at 10 or lower and that the particle size of an ion —exchange resin to be filled into the separation column 10 is at 1  $\mu$  m or lower.



## LEGAL STATUS

[Date of request for examination]

28.09.1998

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2000 Japanese Patent Office